

Recreational Use Attainability Analysis
for
Missouri WBID#0654 North Fork Blackbird Creek

Prepared for:

UAA Review Committee
Missouri Department of Natural Resources
Water Protection Program
1101 Riverside Drive
Jefferson City, MO 65101

Submitted by:
Benton & Associates, Inc.
713 North High Street
Kirksville, MO 63501



TABLE OF CONTENTS

UAA REPORT

PAGES 1-2

APPENDIX A

TOPOGRAPHIC LOCATION MAP, FIELD DATA SHEETS,
SUPPLEMENTAL NARRATIVES, AND FIELD PHOTOGRAPHS

APPENDIX B

WRITTEN RESPONSES REGARDING STREAM USE

Purpose:

North Blackbird Creek was evaluated in response to changes in State Clean Water Regulations. The new regulations will classify all waterways in the State of Missouri that have not been evaluated as fishable and swimmable. At the request of the Lake Thunderhead Wildflower Community Association, an evaluation was completed on North Blackbird Creek to determine if there is existing or attainable use of the stream.

Area of Evaluation:

The area evaluation on North Blackbird Creek was between the spillway of Lake Thunderhead west of State Highway 5 and the road crossing of State Highway 129. The length of the segment evaluated was 3+/- miles. The segment was evaluated on the upstream and downstream sides of three road crossings. The crossings were at State Highway 5, County Road 127, and State Highway 129.

Method:

The Use Attainability Analysis (UAA) Protocol as issued from Missouri DNR was utilized for the evaluation. The field data sheets were used for identifying the stream and the evaluation of the existing or attainable recreational use of North Blackbird Creek. The UAA protocol was also utilized in developing the list of questions for interviews of property owners adjacent to the North Blackbird Creek

Results:

The following information is located in appendices contained herein:

- € Appendix "A" - Field Data Sheets and supporting photos and narratives for the three (3) stream crossings evaluated.
- € Appendix "B" - Written responses and contact information for the three (3) property Owners interviewed adjacent to the stream.

Due to the ephemeral nature of the northernmost stretch of North Blackbird Creek, our assessment is that the segment evaluated prevents the attainment of use. Since Lake Thunderhead is strictly a recreational lake, during peak

use season (April through October), the manager of the lake retains as close to normal pool as is possible. The lake discharges water only when there is rain or sufficient snow melt. The only portion of the assessed length that even approached useable depth was made that way by a low head dam used for the watering of livestock. All three locations evaluated showed virtually no sign of human presence. All three interviews with persons living and/or owning ground adjacent to North Blackbird Creek confirmed that they did not use the creek for swimming, fishing, trapping, or any recreational activity.

APPENDIX "A"

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

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Water Body Name: (from USGS 7.5' quad)	North Blackbird Creek	
8-digit HUC:	10280201	
Missouri WBID #:	0654	
County:	Putnam	
Upstream Legal Description:	Intersection of North Blackbird Creek and State Highway 5	
Downstream Legal Description:	Intersection of North Blackbird Creek and State Highway 129	
Upstream Coordinates: (UGS 84, ddd.ddddd)	-93°00'57"	40°31'46"
Downstream Coordinates: (UGS 84, ddd.ddddd)	-92°57'48"	40°30'13"
Discharger Facility Name(s):	Wildflower Community Association	
Discharger Permit Number(s):	MO0057215	
Number of Sites Evaluated:	3	
Name of Surveyor and Telephone Number:	Lee Bloome	660-665-3575
Organization:	Benton & Associates, Inc.	
Position:	Civil Engineer, P.E.	

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Lee Bloome LEE BLOOME Date: 7/13/05

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 0654-0100		Site Location Description: State Highway 5
Site GPS Coordinates: 93°00'57", 40°31'46"		
Date & Time: July 8, 2005 11:00		Facility Name: Wildflower Community Association
Personnel: Lee Bloome		Permit Number: MO0057215
Current Weather Conditions: Sunny, 91°		Weather Conditions for Past 7 days: Sunny, Dry, 90° S
Photo Ids: Upstream: See Attached	Downstream: See Attached	Other: Location identified as 0100

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)				

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input checked="" type="checkbox"/> Steep slopes	<input checked="" type="checkbox"/> Other: See Attached Narrative	

Evidence of Human Use*:

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input checked="" type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input checked="" type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other:				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Stream Morphology:

Upstream View Physical Dimensions:

<input checked="" type="checkbox"/> Riffle	Width (ft): 12'	Length (ft): 15'	Avg. Depth (ft): 0.1	Max. Depth (ft): 0.2
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): 25'	Length (ft): 300'	Avg. Depth (ft): 2.5'	Max. Depth (ft): 3'
<input checked="" type="checkbox"/> Flow	Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Estimated (ft ³ /sec):		

Downstream View Physical Dimensions:

<input checked="" type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): 18'	Length (ft): 130	Avg. Depth (ft): 1.7'	Max. Depth (ft): 2.5'
<input checked="" type="checkbox"/> Flow	Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft ³ /sec): 0.45 ft ³ /sec		

Substrate*: (These values should add up to 100%.)

% Cobble	% Gravel	% Sand	100 % Silt	% Mud/Clay	% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

Algae: Opaque green water

Water Characteristics*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Other: Livestock waste
Color:	<input type="checkbox"/> Clear	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:

Comments: Please attach additional comments (including information from interviews) to this form.

*See attached comments

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Lee Bloomer LEE BLOOMER Date: 7/13/05

Organization: Benton and Associates, Inc. Position: Project Manager

APPENDIX "A"

Location 1: State Highway 5 Bridge Crossing

The first location was adjacent to the Wildflower Community Association's wastewater treatment plant outfall. Photos were taken upstream (Photo 0100-A) and downstream (Photo 0100-B). The outfall is located at the toe of the Lake Thunderhead dam. The upstream was a pool that was created by a low water vehicle crossing on the downstream side of the Highway (Photo 0100-B). The low head vehicle crossing was also being used for livestock watering. The water was 2 ½ to 3 feet deep from the box culvert to approximately 300 ft upstream (Photo 0100-C). The stream was channelized and the banks were steep and inaccessible. There was no evidence of any recreational activity on the upstream or downstream side. The downstream side was fenced off (Photo 0100-C). The water was stagnant and had excessive algal growth (Photo 0100-F). There was a 16" carp dead at the low water crossing. A muskrat was spotted in the pool on the upstream side. Since the stream essentially starts at the toe of the dam, there are fish in the upstream pool that are flushed through the dam's overflow and become trapped in the pool at the toe of the dam. The downstream pool had evidence of livestock watering. There were hoof prints to the water's edge.

Photo 0100-A: Upstream of Highway 5.



Photo 0100-B: Downstream of Highway 5. Low water vehicle crossing visible.



Photo 0100-C: Looking upstream. Fence in foreground.

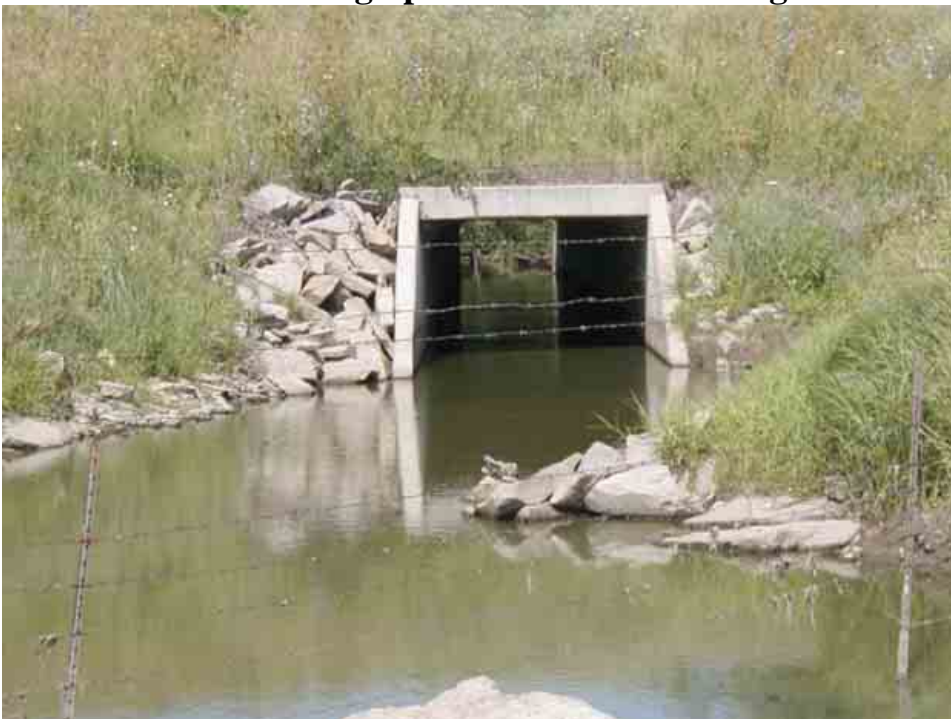


Photo 0100-D: Excessive algal growth



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 0654-0101	Site Location Description: County Highway 127	
Site GPS Coordinates: 92°59'43", 40°31'48"		
Date & Time: July 8, 2005 12:00	Facility Name: Wildflower Community Association	
Personnel: Lee Bloome	Permit Number: MO 0057215	
Current Weather Conditions: Sunny, 91°	Weather Conditions for Past 7 days: Sunny, Dry, 90° S	
Photo Ids: Upstream: See attached	Downstream: See attached	Other: Location identified as 0101

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)				

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input checked="" type="checkbox"/> Fence	<input checked="" type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

Evidence of Human Use*:

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other: NONE				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Stream Morphology:

Upstream View Physical Dimensions:

<input checked="" type="checkbox"/> Riffle	Width (ft): 4.5	Length (ft): 3	Avg. Depth (ft): 0.15	Max. Depth (ft): 0.1
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): 15	Length (ft): 100	Avg. Depth (ft): 0.4	Max. Depth (ft): 1.1
<input checked="" type="checkbox"/> Flow	Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft ³ /sec): 0.51 ft ³ /sec		

Downstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): 11	Length (ft): 305	Avg. Depth (ft): 0.45	Max. Depth (ft): 1.2
<input checked="" type="checkbox"/> Flow	Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft ³ /sec): 0.51 ft ³ /sec		

Substrate*: (These values should add up to 100%.)

40 % Cobble	10 % Gravel	40 % Sand	10 % Silt	% Mud/Clay	% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

Orange Algae on shoreline near field runoff.

Water Characteristics*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input checked="" type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:

Comments: Please attach additional comments (including information from interviews) to this form.

*See Attached Comments

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: LEE BLOOM Date: 7/12/05

Organization: Benton and Associates, Inc. Position: Project Manager

Location 2: County Road 127

The second location was a bridge located at the intersection of North Blackbird Creek and County Highway 127. Photos were taken upstream (Photo 0101-A) and downstream (Photo 0101-B). The creek is lined by steep banks and trees (Photo 0101-C and D). On the upstream side, there was fence on both sides of the creek. The creek had a sand and gravel bottom. There was no evidence of human activity. The water was relatively clear and flowing. There was a stretch of orange algae on one of the banks near a dry run entering the creek. There was evidence of deer and raccoons along the creek. An adjacent property Owner was interviewed during the survey (See Appendix "B")

Photo 0101-A: Upstream of County Highway 127



Photo 0101-B: Downstream of County Highway 127



Photo 0101-C: Photo of the Steep Bank south side of creek



Photo 0101-D: Photo of the Steep Bank north side of creek



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 0654-0102		Site Location Description: State Highway 129	
Site GPS Coordinates: 92°57'48", 40°30'13"			
Date & Time: July 8, 2005 1:00 pm		Facility Name: Wildflower Community Association	
Personnel: Lee Bloome		Permit Number: MO 0057215	
Current Weather Conditions: Sunny, 91°		Weather Conditions for Past 7 days: Sunny, Dry, 90° S	
Photo Ids: Upstream: See attached	Downstream: See attached	Other: Location identified as 0102	

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)				

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input checked="" type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

Evidence of Human Use*:

<input type="checkbox"/> Roads	<input checked="" type="checkbox"/> Foot paths/prints *	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other:				

*Single fresh disturbance of grass and weeds. No worn trail.

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Stream Morphology:

Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): 4	Length (ft): 100	Avg. Depth (ft): 0.21	Max. Depth (ft): 1.1
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Flow	Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft ³ /sec): 0.78 ft ³ /sec	

Downstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): 6	Length (ft): 225	Avg. Depth (ft): 0.21	Max. Depth (ft): 0.45
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Flow	Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft ³ /sec): 0.78ft ³ -sec	

Substrate*: (These values should add up to 100%.)

% Cobble	10 % Gravel	65 % Sand	% Silt	25 % Mud/Clay	% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

Orange Algae on one bank

Water Characteristics*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:

Comments: Please attach additional comments (including information from interviews) to this form.

*See Attached Comments

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: LEE BLUM Date: 7/13/05

Organization: Benton and Associates, Inc. Position: Project Manager

Location 3: State Highway 129

The third location examined was located at the intersection of North Blackbird Creek and Highway 129. Photos were taken upstream (Photo 0102-A) and downstream (Photo 0102-B). The stream crossing was situated at a clearing in the timber. The stream banks were very steep (Photo 0102-C and D). The creek was difficult to access. There was no sign of human presence except for a single fresh trail through the weeds and a single row of footprints on the downstream sandbar. There was another patch of orange algae on the downstream eastern bank. There were minnows and frogs present in a small pool under the bridge.

Photo 0102-A: Upstream of Highway 129



Photo 0102-B: Downstream of County Highway 129



Photo 0102-C: Photo of the steep bank north side of creek



Photo 0102-D: Photo of the steep bank south side of creek



Appendix "B"
Property Owner Interviews
North Blackbird Creek

Katey Gingerich
14029 30th Rd.
Unionville, MO 63565
(Did not have phone)

Ms. Gingerich was interviewed on July 8 after the evaluation of the County Highway 127 crossing. Their home is approximately 200 ft from North Blackbird Creek. They have a pasture that borders the creek, but that is fenced off at the top of bank. Ms. Gingerich stated that they do not use the creek for any activity. They do not swim, fish, trap, or wade in the creek.

Roger Pearson (Sharron)
34942 State Highway W
Unionville, MO 63565
660-947-2356

Mr. & Mrs. Pearson's property is located northwest of State Highway 129. North Blackbird Creek runs through their land. Mrs. Pearson was contacted by phone on July 12, 2005 and stated that the ground is planted in trees as part of a conservation project. She also stated that they do not fish, swim, trap or wade in the creek.

Randall Griswold
16528 300th Rd.
Unionville, MO 63565
660-947-2980

Mr. Griswold's property is located east of State Highway 5. North Blackbird Creek runs through his land.

Mr. Griswold was contacted by phone on July 12, 2005 and stated that the only activity that occurs in the creek is the watering of livestock. He stated that he does not swim, fish, trap or wade in the creek.